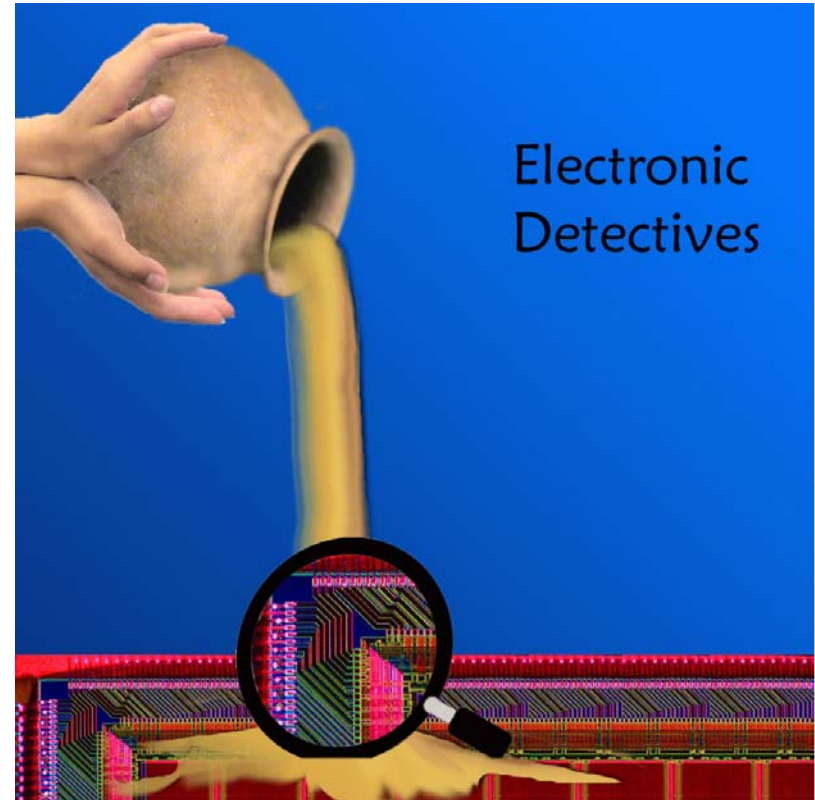


Revealing the Invisible Universe: DMR0227755

Debra Colodner, Lisa Falk, Selina Johnson, Supapan Seraphin, Nancy Odegard,
(all at University of Arizona) and Steve Pompea (at NOAO)

Revealing the Invisible Universe is an internship program for undergraduates in which they develop programs for school groups and families visiting museums. The first such program, **Electronic Detectives** was developed over the summer and is being piloted with middle school students and family groups this fall. The program highlights the use of electron microscopy in both archeology and in advanced materials research. In addition to the live programs, a web site and video are currently being revised.



***Flandrau Science Center, Arizona State Museum,
Department of Materials Science and Engineering***

University of Arizona

Features of the Revealing the Invisible Universe program

Experience for undergraduates:

- Working in a diverse team of science, education and art students.
- Deepening content knowledge in materials science and other fields.
- Gaining experience communicating science to students and the general public.
- Gaining an appreciation for the role of museums in public education.
- Gaining experience in informal science program development.

Experience for program audiences:

- Connecting science to objects and materials they see every day, in particular cell phones and ceramics.
- Learning about scientists from a diverse array of backgrounds who work in their community.
- Learning about current science research in their community.
- Developing new appreciation for the interdisciplinary nature of science.

